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Fujisada-san,

Here is an update of the abstract material for the EUROPT paper. Thank you again for providing this opportunity. I may still need to do some adjustment of the co-authors, but I hope not.

You should be aware, however, that I am not 100% sure that I can go to Paris. JPL is allocated 5 slots for any major conference and those slots have been filled for this conference. I believe, though, that it will be possible to get a waiver on this restriction from NASA HQ and my boss feels the same. I will keep you posted on the status.

-dave

1. ABSTRACT TITLE:

EOSDIS support for the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)

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4. SUBMIT '10:

Sensors, Systems and Next Generation Satellite (Hiroyuki Fujisada)

5. PRESENTATION

Oral Presentation

6. KEY WORDS

ASTER, EOSDIS, DAAC, Standard Data Products, Mission Operations

7. ABSTRACT TEXT

The end-to-end ground data system supporting the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) consists of elements provided by both Japan ASTER Ground Data System and the highly distributed Earth Observing System Data and Information System (EOSDIS). These two systems must interoperate to provide complex mission operations support and process high-rate (approximately 8 Megabits/second) data into standard Level 1, Level 2 and higher data products. The EOS Data and Operations System (EDOS) will provide ground data capture, rate buffering, and Level 0 data processing. The science data will be transported on physical media from the U.S. to Japan, where the Level 1 processing will be done. Level 1 products will be returned to the U.S. via the same means. The EOS Operations Center will provide the operational interface between the Japanese Instrument Control Center and the spacecraft and will monitor the instrument health and safety. The Land Processes Distributed Active Archive Center (DAAC) at the EROS Data Center will produce higher-level products based on the Level 1 products from Japan, software provided by the ASTER Science Team and systems provided by the EOSDIS Core System. Higher-level data product quality assurance, as well as U.S. Science Team support for instrument scheduling will be performed at a Science Computing Facility located at the Jet Propulsion Laboratory. All of these elements are being developed together to assure that this international mission produces data which will serve the needs of the science community.

8. Brief Biography

David Nichols is manager of the ASTER Science Project at the Jet Propulsion Laboratory. Prior to this assignment he was manager of the Earth Science Data Systems Program and has been involved in a number of ground data system development projects at JPL where he has been located since 1981. Prior to JPL he was at Tektronix Inc., and the Environmental Systems Research Institute where he was involved in developing software for scientific visualization, automated cartography and geographic information systems. He received his MA degree in Earth Sciences in 1974 from the University of California, Riverside.

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